Author index

Acosta, I., see Jodral, M. (18) 171
Altman, N.S., see Langston, S.W. (18) 43
Antuña, B. and Martinez-Anaya, M.A.
Sugar uptake and involved enzymatic activities by yeasts and lactic acid bacteria: their relationship with breadmaking quality (18) 191
Aymerich, T., see Hugas, M. (18) 107

Badley, A., see Schlech III, W.F. (18) 15
Bentabol, A., see Jodral, M. (18) 171
Bille, J., see Danielsson-Tham, M.-L. (18) 161
Brosch, R., see Danielsson-Tham, M.-L. (18) 161
Buchrieser, C., see Danielsson-Tham, M.-L. (18) 161
Buyong, N., see Degnan, A.J. (18) 127

Callis, M., see Viljoen, B.C. (18) 53
Chase, D.P., see Schlech III, W.F. (18) 15
Chen, H., Fraser, A.D.E. and Yamazaki, H.
Evaluation of the toxicity of *Salmonella* selective media for shortening the enrichment period (18) 151

Danielsson-Tham, M.-L., Bille, J., Brosch, R., Buchrieser, C., Persson, K., Rocourt, J., Schwarzkopf, A., Tham, W. and Ursing, J.
Characterization of *Listeria* strains isolated from soft cheese (18) 161
Degnan, A.J., Buyong, N. and Luchansky, J.B.
Antilisterial activity of pediocin AcH in model food systems in the presence of an emulsifier or encapsulated within liposomes (18) 127
Dykes, G.A., see Viljoen, B.C. (18) 53

Erhard, F., see Kneifel, W. (18) 179

Ferrer, S., see Zúñiga, M. (18) 37
Ferron, P. and Michard, J.
Distribution of *Listeria* spp. in confectioners' pastries from western France: comparison of enrichment methods (18) 289
Fraser, A.D.E., see Chen, H. (18) 151
Fung, D.Y.C., see Yu, L.S.L. (18) 97

Gallego, C., see Jodral, M. (18) 171
Garriga, M., see Hugas, M. (18) 107
Gill, C.O. and McGinnis, C.
Changes in the microflora on commercial beef trimmings during their collection, distribution and preparation for retail sale as ground beef (18) 321
Grant, I.R., Nixon, C.R. and Patterson, M.F.
Effect of low-dose irradiation on growth of and toxin production by *Staphylococcus aureus* and *Bacillus cereus* in roast beef and gravy (18) 25
Guillamón, J.M., Querol, A., Jiménez, M. and Huerta, T.
Phylogenetic relationships among wine yeast strains based on electrophoretic whole-cell protein patterns (18) 115

Hänninen, M.-L.
Occurrence of *Aeromonas* spp. in samples of ground meat and chicken (18) 339
Harmayani, E., Sofos, J.N. and Schmidt, G.R.
Fate of *Listeria monocytogenes* in raw and cooked ground beef with meat processing additives (18) 223
Hotchkiss, J.H., see Langston, S.W. (18) 43
Houben, J.H., see Hounhouigan, D.J. (18) 279
Hounhouigan, D.J., Nout, M.J.R., Nago, C.M., Houben, J.H. and Rombouts, F.M.
Characterization and frequency distribution of species of lactic acid bacteria involved in the processing of mawè, a fermented maize dough from Benin (18) 279
Hudson, J.A. and Mott, S.J.
Presence of *Listeria monocytogenes*, motile aeromonads and *Yersinia enterocolitica* in environmental samples taken from a supermarket delicatessen (18) 333
Hudson, J.A.
Construction and comparison of response surface kinetic models for the *Yersinia ente-*

rocolitica type strain and a food isolate under aerobic conditions (18) 201
Huerta, T., see Guillamón, J.M. (18) 115
Hugas, M., Garriga, M., Aymerich, T. and Monfort, J.M.
Biochemical characterization of lactobacilli from dry fermented sausages (18) 107
Huss, H.H., see Jeppesen, V.F. (18) 305

Iwahara, M., see Murao, S. (18) 63
Iwamoto, T., see Murao, S. (18) 63

Jaros, D., see Kneifel, W. (18) 179
Jeppesen, V.F. and Huss, H.H.
Characteristics and antagonistic activity of lactic acid bacteria isolated from chilled fish products (18) 305
Jiménez, M., see Guillamón, J.M. (18) 115
Jodral, M., Liñan, E., Acosta, I., Gallego, C., Rojas, F. and Bentabol, A.
Mycoflora and toxigenic *Aspergillus flavus* in Spanish milks (18) 171

Kimura, T., see Nishikawa, Y. (18) 271
Kneifel, W., Jaros, D. and Erhard, F.
Microflora and acidification properties of yogurt and yogurt-related products fermented with commercially available starter cultures (18) 179
Kunz, B., see Schmitz, S. (18) 233

Langston, S.W., Altman, N.S. and Hotchkiss, J.H.
Within and between sample comparisons of Gompertz parameters for *Salmonella enteritidis* and aerobic plate counts in chicken stored in air and modified atmosphere (18) 43
Liñan, E., see Jodral, M. (18) 171
Luchansky, J.B., see Degnan, A.J. (18) 127

Macler, B.A. and Regli, S.
Use of microbial risk assessment in setting US drinking water standards (18) 245
Madsen, M.
Microbial flora of frozen tail meat from captive Nile crocodiles (*Crocodylus niloticus*) (18) 71
Martinez-Anaya, M.A., see Antuña, B. (18) 191
McClure, P.J., see Wijtzes, T. (18) 139
McGinnis, C., see Gill, C.O. (18) 321
McKellar, R.C.
Novel mechanism for the CAMP reaction between *Listeria monocytogenes* and *Corynebacterium equi* (18) 77
McMullen, L.M. and Stiles, M.E.
Microbial ecology of fresh pork stored under modified atmosphere at −1, 4.4 and 10°C (18) 1
Michard, J., see Ferron, P. (18) 289
Monfort, J.M., see Hugas, M. (18) 107
Mott, S.J., see Hudson, J.A. (18) 333
Murao, S., Nomura, Y., Nagata, S., Iwamoto, T., Iwahara, M. and Shin, T.
Development and evaluation of a novel sterilizer with rotary vibrators (18) 63

Nagata, S., see Murao, S. (18) 63
Nago, C.M., see Hounhouigan, D.J. (18) 279
National Institute of Public Health & Environmental Protection,
Workshop on risk assessment of human exposure to pathogenic micro-organisms (18) 239
Nishikawa, Y., Ogasawara, J. and Kimura, T.
Heat and acid sensitivity of motile *Aeromonas:* a comparison with other food-poisoning bacteria (18) 271
Nixon, C.R., see Grant, I.R. (18) 25
Nomura, Y., see Murao, S. (18) 63
Nout, M.J.R., see Hounhouigan, D.J. (18) 279

Oboegbulem, S.I.
Comparison of two enrichment media and three selective media for isolation of salmonellae from fresh chicken carcass rinse fluids and sewer swabs (18) 167
Ogasawara, J., see Nishikawa, Y. (18) 271

Pardo, I., see Zúñiga, M. (18) 37
Patterson, M.F., see Grant, I.R. (18) 25
Persson, K., see Danielsson-Tham, M.-L. (18) 161
Peterz, M. and Steneryd, A.-C.
Comparative evaluation of two methods of enumerating enterococci in foods: collaborative study (18) 211

Querol, A., see Guillamón, J.M. (18) 115

Regli, S., see Macler, B.A. (18) 245
Roberts, T.A., see Wijtzes, T. (18) 139
Rocourt, J., see Danielsson-Tham, M.-L. (18) 161
Rojas, F., see Jodral, M. (18) 171
Rombouts, F.M., see Hounhouigan, D.J. (18) 279

Sanni, A.I.
The need for process optimization of African fermented foods and beverages (18) 85
Schlech III, W.F., Chase, D.P. and Badley, A.
A model of food-borne *Listeria monocytogenes* infection in the Sprague-Dawley rat using gastric inoculation: development and effect of gastric acidity on infective dose (18) 15
Schmidt, G.R., see Harmayani, E. (18) 223
Schmitz, S., Weidenbörner, M. and Kunz, B.
Heavy metals as selective inhibitors of mould growth (18) 233
Schwarzkopf, A., see Danielsson-Tham, M.-L. (18) 161
Scott, P.M.
Fumonisins (18) 257
Shin, T., see Murao, S. (18) 63
Sofos, J.N., see Harmayani, E. (18) 223
Steneryd, A.-C., see Peterz, M. (18) 211
Stiles, M.E., see McMullen, L.M. (18) 1

Tham, W., see Danielsson-Tham, M.-L. (18) 161

Ursing, J., see Danielsson-Tham, M.-L. (18) 161

Viljoen, B.C., Dykes, G.A., Callis, M. and Von Holy, A.
Yeasts associated with Vienna sausage packaging (18) 53
Von Holy, A., see Viljoen, B.C. (18) 53

Weidenbörner, M., see Schmitz, S. (18) 233
Wijtzes, T., McClure, P.J., Zwietering, M.H. and Roberts, T.A.
Modelling bacterial growth of *Listeria monocytogenes* as a function of water activity, pH and temperature (18) 139

Yamazaki, H., see Chen, H. (18) 151
Yu, L.S.L. and Fung, D.Y.C.
Five-tube most-probable-number method using the Fung-Yu tube for enumeration of *Listeria monocytogenes* in restructured meat products during refrigerated storage (18) 97

Zúñiga, M., Pardo, I. and Ferrer, S.
An improved medium for distinguishing between homofermentative and heterofermentative lactic acid bacteria (18) 37
Zwietering, M.H., see Wijtzes, T. (18) 139

Subject index

Abusive temperature, (18) 43
Acidification properties, (18) 179
Aerobic plate count, (18) 43
Aeromonas, (18) 271, 339
Aflatoxins, (18) 171
Air, (18) 63
Amino carbonyl reaction, (18) 63
Antagonism: biological preservation, (18) 305
Arginine, (18) 107
Aspergillus flavus, (18) 171

Bacillus cereus, (18) 25
Bacillus coagulans, (18) 63
Bacteria, (18) 71, 321
Bacteriocin, (18) 1
Beef, (18) 321
Beef, cooked, (18) 25
Beef trimmings, (18) 321
Bélehrádek (square root), (18) 139
Between and within sample comparison, (18) 43

CAMP reaction, (18) 77
Cancer, (18) 257
Candida, (18) 53
Chicken, (18) 43, 167
Cholesterol oxidase, (18) 77
Classification, (18) 115
Collaborative study, (18) 211
Cooking, (18) 271
Corn, (18) 257
Corynebacterium equi, (18) 77
Crocodile, (18) 71

Debaryomyces, (18) 53
Delicatessen, (18) 333
Differential medium, (18) 37

Emulsifier, (18) 127
Enrichment, (18) 167
Enterococci, (18) 211
Enumeration, (18) 161, 211
Enzyme, (18) 191

Fermentation, (18) 279
Fermentation process, (18) 85
Fermented sausage, (18) 107
Fish product, (18) 305
Fleshfood, (18) 333
Food, (18) 211, 271
Food additive, (18) 223
Foodborne fungi, (18) 233
Food safety, (18) 25
Frozen meat, (18) 71
β-Fructosidase, (18) 191
Fumonisin B_1, (18) 257
Fung-Yu tube, (18) 97
Fusarium, (18) 257

Gamma irradiation, (18) 25
Gastric acidity, (18) 15
Gastrointestinal mucosa, (18) 15
α-Glucosidase, (18) 191
Ground beef, (18) 321
Growth, (18) 201
Growth model, (18) 139

pH, (18) 139, 271
Heavy metal, (18) 233

Identification, (18) 115
Invasion, (18) 15

Kinetic model, (18) 201

Lactic acid bacteria, (18) 1, 191, 305
Lactic acid bacteria, homofermentative, heterofermentative, (18) 37
Lactobacilli, (18) 279
Lactobacillus, (18) 107
Leukoencephalomalacia, (18) 257
L. innocua, (18) 161
Liposome, (18) 127
Listeria monocytogenes, (18) 15, 77, 97, 127, 139, 161, 223, 289, 333
Listeria spp, (18) 289
Lysteriolysin O, (18) 77

Maize, (18) 279
Mawè, (18) 279
Maximum contaminant level goals, (18) 245

Meat, (18) 223
Meat and chicken, (18) 339
Meat processing, (18) 53
Microflora, (18) 1, 179
Milk, (18) 171
Modified atmosphere package (MAP), (18) 1
Most-probable-number (MPN), (18) 97
Motile aeromonad, (18) 333
Motility enrichment, (18) 97
Moulds, (18) 171
Mycotoxins, (18) 257

Pasteurization, (18) 171
Pastry, (18) 289
Pediocin, (18) 127
Phenotypic characteristics, (18) 339
Pork, (18) 1
Pre-enrichment, (18) 289
Process optimization, (18) 85
Pulmonary edema, (18) 257

Rappaport-Vasiliadis, (18) 167
Resistant variants, (18) 151
Restriction enzyme analysis, (18) 161
Restructured meat products, (18) 97
Risk assessment and management, (18) 245

Saccharomyces cerevisiae, (18) 115
Salmonella, (18) 43, 71, 151, 167
Selective inhibition, (18) 233
Selective isolation, (18) 289
Selective media, (18) 151
Selenite, (18) 167
Sewer, (18) 167
Slaughterhouse, (18) 167
Soft cheese, (18) 161
Staphylococcus aureus, (18) 25, 77
Steam, (18) 63
Sterilizer, (18) 63
Sugar uptake, (18) 191

Tail meat, (18) 71
Taxonomy, (18) 107
Temperature, (18) 139, 271
Temperature abuse, (18) 25
Toxicity, (18) 151

Vibration, (18) 63
Vienna sausage, (18) 53
Virulence, (18) 15

Water activity, (18) 139
Water-borne infectious disease, (18) 245
Water treatment regulation, (18) 245
Whole-cell protein electrophoregram, (18) 115
Wine yeast, (18) 115

Yeast, (18) 53
Yeasts, (18) 191
Yersinia enterocolitica, (18) 201, 333
Yogurt, (18) 179
Yogurt-related products, (18) 179